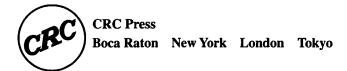
## CONCISE Dictionary of

## BIOMEDICINE AND MOLECULAR BIOLOGY

## PEI-SHOW JUO, Ph.D.

Professor of Biology
State University of New York
College at Potsdam
Potsdam, New York



## Library of Congress Cataloging-in-Publication Data

Juo, Pei-Show

Concise dictionary of biomedicine and molecular biology / Pei-Show Juo.
p. cm.

ISBN 0-8493-2460-2 (alk. paper)
1.Medical sciences--dictionaries. I. Title.

R121.J86 1995
610.3--dc20

95-38363

CIP

This book contains information obtained from authentic and highly regarded sources. Reprinted material is quoted with permission, and sources are indicated. A wide variety of references are listed. Reasonable efforts have been made to publish reliable data and information, but the author and the publisher cannot assume responsibility for the validity of all materials or for the consequences of their use.

Neither this book nor any part may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, microfilming, and recording, or by any information storage or retrieval system, without prior permission in writing from the publisher.

CRC Press, Inc.'s consent does not extend to copying for general distribution, for promotion, for creating new works, or for resale. Specific permission must be obtained in writing from CRC Press for such copying.

Direct all inquiries to CRC Press, Inc., 2000 Corporate Blvd., N.W., Boca Raton, Florida 33431.

Trademark Notice: Product or corporate names may be trademarks or registered trademarks, and are used only for identification and explanation, without intent to infringe.

© 1996 by CRC Press, Inc.

No claim to original U.S. Government works
International Standard Book Number 0-8493-2460-2
Library of Congress Card Number 95-38363
Printed in the United States of America 1 2 3 4 5 6 7 8 9 0
Printed on acid-free paper

Condylox A trade name for podofilox, an antiinfective agent.

Cone A light sensitive cell present in the retina.

Cone Pigment Gene Genes that encode pigments in the cone cells of the retina and are responsible for color vision.

Configuration The spatial arrangement of an organic molecule that is conferred by the presence of either a double bond or a chiral center around which substitution groups are arranged in a specific sequence. Configuration isomers cannot be interconverted without breaking a covalent bond or bonds.

Conformational Isozyme The multiple forms of a single gene product that differ in secondary or tertiary structure.

Congenic Strain The strains of organisms that are different from one another in a small chromosomal segment.

Congenital Present at the time of birth.

Congeric Of the same species.

Congespirin A trade name for a combination drug containing phenylephrine hydrochloride and acetaminophen, used as a bronchodilator.

Conglutination Agglutination of particulate entities bearing C3b by conglutinin.

Conglutinin A protein from bovine serum capable of binding with complement C3b leading to agglutination of particles bearing C3b.

Congo Red (mol wt 697) A dye and pH indicator.

Conidia Plural of conidium.

**Conidium** An asexual haploid spore borne on an aerial hypae.

Coniferin (mol wt 342) The principal glucoside of conifers.

Coniferyl Alcohol (mol wt 180) An alcohol obtained from hydrolysis of coniferin.

Conline (mol wt 127) The toxic principle of poison hemlock (Conlum maculatum).

Conjec-B A trade name for brompheniamine maleate, an antihistaminic drug that competes with histamine for H-1 receptor on effector cells.

Conjugate Acid-Base Pair An proton donor and its corresponding deprotonated species (e.g., acetic acid, donor and acetate, acceptor).

Conjugate Redox Pair An electron donor and its corresponding electron acceptor (e.g., NADH, donor and NAD+, acceptor).

Conjugated Protein A protein that is linked to a nonprotein group (prosthetic group).

Conjugation 1. Union of gametes from opposite sexes. 2. Transfer of genetic material from a male strain (F\*) to the female strain (F-) in bacteria.

Conjugon Referring to that genetic element essential for bacterial conjugation.

Connective Tissue Any supporting tissue that lies between other tissue and consists of cells embedded in the extracellular matrix, e.g., bone, cartilage, and loose connective tissue.

Connexon Water-filled pores in the cytoplasmic membrane formed by a ring of six protein subunits. The connexons from two adjoining cells join to form a continuous channel between the two cells.

Consensus Sequence Average or most typical form of a sequence that is reproduced with minor variations in a group of related DNA, RNA, or protein sequences. The consensus sequence shows the nucleotide or amino acid most often found at each position.

Conservative Substitution Replacement of one amino acid residue in a protein by another amino acid with similar properties, e.g., substitution of glutamate with aspartate.

Conserved Sequence A sequence of nucleotides that has not changed noticeably over a long evolutionary period.